

## IRCNT-16 16 Port IR Router



### 1.0 Introduction

The Hall Research model IRCNT-16 is used to direct incoming IR signals to specific components selected by the user. This prevents unintentionally controlling components that respond to same IR code. Using the IRCNT-16 the user can direct the IR signal to any one or combination of outputs.

### 2.0 Features

- Front panel IR sensor
- Pass-through IR supports carrier frequencies from 30kHz to 50kHz
- IR routes only to selected outputs
- Internal Power supply using standard IEC connector.
- Rack mountable with included hardware – only 1RU.

### 3.0 Installation

The IRCNT-16 requires 5v compatible IR emitters with standard 3.5mm stereo or mono plug (such as model CIR-EMT2 sold separately).

Tip = Anode (+) Ring or Sleeve = Cathode (-)

Extension cables may be used to increase the range of the IR emitter. Maximum length is dependent on the gauge of the wire used. Typical performance:

1,000 feet using 20 AWG or thicker      400 feet @ 24 AWG

When you have several identical components near each other and want to control selected ones, you have to make sure the emittel IR light signal does not affect the other components. This can be achieved using a blocking cover such as Hall Research model CIR-EMT2-CVR



CIR-EMT2-CVR Outside view



Inside View with Emitter

## 4.0 Operation

Once all the IR emitters have been connected to the unit, simply press the button(s) corresponding to the device(s) you wish to control. The buttons that are lit will relay any IR signals that are received.

Use the "ALL/CLR" button to select all 16 outputs, or to quickly clear all the previously selected outputs.

## 5.0 Specifications

Power Supply .....	100-240 VAC, 50-60Hz
Size .....	4" (L) x 13" (W) x 1.60" (H)
Weight.....	2.5 pounds
Operating Temperature .....	0 to 50°C
Enclosure Type .....	Steel
MBTF .....	110,000 hours
Warranty .....	2 years parts and labor

## 6.0 Shipping and Packaging

If you need to transport or ship your unit, please package it carefully. We recommend that you use the original container. Before you ship the unit back to Hall Research for repair or return, please contact us to get a Return Material Authorization (RMA) number